

REMARKS/ARGUMENTS

Favorable reconsideration of this application, as presently amended and in light of the following discussion, is respectfully requested.

Claims 15-27 are currently pending in the application. Claims 24-27 are newly added by the present Amendment. Support for new claims 24-27 can be found in the original specification, claims and drawings.¹ Thus, no new matter is presented.

In the Final Office Action of July 18, 2007 (herein, the Final Office Action), Claims 15-17 and 19-22 were rejected under 35 U.S.C. § 102(b) as anticipated by Lee (U.S. Patent Publication No. 2003/0234799); and Claims 18 and 23 were rejected under 35 U.S.C. § 103(a) as unpatentable over Lee in view of Kuga (U.S. Patent No. 5,686,940).

In the Final Official Action, Claims 15-17 and 19-22 were rejected under 35 U.S.C. § 102(b) as anticipated by Lee. In response to this rejection, Applicants respectfully submit that Claims 15-17 and 19-22 recite novel features clearly not taught or rendered obvious by the applied references.

Specifically, independent Claim 15 recites a method for operating a display device, comprising:

generating user position information of a user in
relation to a display of said display device...
changing a display mode for displaying display
information... depending on said user position information,
wherein in said display mode ***an amount of said displayed
display information depends on said user position
information...***

Independent Claims 19 and 20, while directed to alternative embodiments, recite substantially similar features. Accordingly, the remarks and arguments presented below are applicable to each of independent Claims 15, 19 and 20.

¹ E.g., specification, p. 7, ll. 1-7.

Turning to the applied primary reference, Lee describes a method for adjusting a size of an image in a computer system when the distance between the display apparatus 10 and the user is changed. As noted at paragraph [0030] and Figs. 5-6 of Lee, the size of the same piece of information may be changed based on a detected user's location.

Lee, however, fails to teach or suggest "changing a display mode... depending on said user position information, wherein in said display mode *an amount of said displayed display information* depends on said user position information," as recited in independent Claim 15.

In rejecting this claimed feature, the Final Office Action relies on paragraph [0029] of Lee. This cited portion of Lee describes a computer system including an image displaying ratio data storage part 3 storing image displaying ratio data, an image size adjusting part 5 that reads out the image displaying ratio data from the image displaying ratio data storage part 3 according to the distance between a user and the display apparatus 10 sensed by the distance sensor 11 and adjusts a size of an image on the basis of the read image displaying ratio data.

Thus, Lee describes that a size of an image is adjusted based on the location of a user, not that an amount of data being displayed is adjusted. Further, the Advisory Action of December 27, 2007 (herein, the Advisory Action) reproduces Figs. 5-6 of Lee and asserts that "the 'amount of text' can exclusively describe the volume or portion of the screen it occupies, especially when the claimed amount is being 'larger.'" Applicants respectfully traverse this assertion, as Lee fails to disclose adjusting an amount of displayed information (e.g., text), whatsoever. Instead, Figs. 5-6 merely show that the same exact text (e.g., same amount of information) is displayed regardless of size.

Further, dependent Claim 16 recites, in part,

...if said user is in a first position said information includes a first amount of text, and if said user is in a second position said information includes a second amount of text, wherein said first position represents a closer position to said

display than said second position and ***said first amount of text is larger than said second amount of text,***

and Claim 17, which depends from Claims 16 and 15 recites

...wherein said first and second amount of text is determined based on ***re-phrasing said first and second amount of text.***

Dependent Claims 21 and 22, which depend from independent Claim 20, are similarly rejected. Accordingly, the remarks and arguments presented below are applicable to each of dependent Claims 16-17 and 21-22.

In rejecting these claimed features, the outstanding Office Action relies on paragraph [0033] and Figs. 5-6 of Lee. These cited portions of Lee, however, as discussed above, describe a process of changing a size of an image and fail to teach or suggest modifying an ***amount of text***, much less ***rephrasing... an amount of text***, as recited in dependent Claims 16 and 17.

More particularly, Lee fails to teach or suggest that “...if said user is in a first position said information includes a first amount of text, and if said user is in a second position said information includes a second amount of text, wherein said first position represents a closer position to said display than said second position and ***said first amount of text is larger than said second amount of text,***” and “...said first and second amount of text is determined based on ***re-phrasing said first and second amount of text,***” as recited in dependent Claims 16 and 17.

The outstanding Office Action further rejected Claims 18 and 23 under 35 U.S.C. § 103(a) as unpatentable over Lee in view of Kuga. Applicants respectfully traverse this rejection, as dependent Claims 18 and 23 recite novel features clearly not taught or rendered obvious by the applied references.

Dependent Claims 18 and 23 recite, in part,

...if said user is in a first position said information includes a first amount of semantic content, and if said user is a second position said information includes a second amount of semantic content, wherein said first position represents a closer position to said display than said second position and ***said first amount of semantic content is larger than said second amount of semantic content.***

In rejecting dependent Claims 18 and 23, the outstanding Office Action admits that Lee fails to disclose “that the information includes a first amount of semantic content in a first position, and a second amount of semantic content in a second position.” In an attempt to remedy this deficiency, the Final Office Action relies on Kuga and asserts that it would have been obvious to one of ordinary skill in the art at the time of the invention to combine the cited references to arrive at Applicants’ claims. Applicants respectfully traverse this assertion as neither Lee, nor Kuga, teach or suggest the claims features for which they are asserted under 35 U.S.C. § 103.

Regarding Lee, Applicants respectfully submit that dependent Claims 18 and 23 patentably define over the applied references, at least by virtue of their dependency on independent Claims 15 and 20, respectively.

Turning to the secondary reference, Kuga describes a distance sensor for detecting the distance between a display panel and an image viewer on a display apparatus. An image signal supplied to the display panel is controlled based on the distance detected by the distance sensor to allow for a changeover between an enlarged image and a reduced image or between scrolling and stopping of a text or between moving and stationary display of a moving image.²

Kuga, however, fails to teach or suggest that “if said user is in a first position said information includes a first amount of semantic content, and if said user is a second position said information includes a second amount of semantic content, wherein said first position

² Kuga, Abstract.

represents a closer position to said display than said second position and ***said first amount of semantic content is larger than said second amount of semantic content,***” as recited in dependent Claims 18 and 23.

In contrast, as described at col. 1, lines 59-63 of Kuga, the changeover between the enlargement and reduction of an image, the scrolling and stopping of a text, and the moving display and the stationary display of a moving image is made according to the detected distance of a user. Therefore, as shown in Figs. 2 and 3 of Kuga the amount of information displayed on a display remains the same, but the image may be enlarged or reduced based on the detected distance of the user. Further, Kuga describes that the scrolling of text or the moving of an image may be stopped when it is detected that the user turns her body toward the display.³

Thus, Kuga describes adjusting the size of displayed information or controlling whether text is scrolled or a moving image is paused based on a detected user position, but fails to teach adjusting the ***amount of semantic content*** displayed on the display device based on a user’s position. Specifically, Kuga describes graphically effectuating the way information is presented, but does not describe that the ***amount of semantic content*** displayed depends on a user’s detected position.

Therefore, Kuga fails to teach or suggest that “if said user is in a first position said information includes a first amount of semantic content, and if said user is a second position said information includes a second amount of semantic content, wherein said first position represents a closer position to said display than said second position and ***said first amount of semantic content is larger than said second amount of semantic content,***” as recited in dependent Claims 18 and 23.

³ Id., col. 3, line 66 - col. 5, line 45.

Accordingly, Applicants respectfully request that the rejection of Claims 18 and 23 under 35 U.S.C. § 103(a) as unpatentable over Lee in view of Kuga, be withdrawn.

Further, new Claims 24-27 are added by the present amendment. Applicants respectfully submit that new Claims 24-27 recite novel features clearly not taught or rendered obvious by the applied references.

New Claim 24, which depends from independent Claim 15 recites

wherein said amount of displayed display information comprises display items, ***each display item representing a respective part of a semantic content to be displayed***, and wherein said display items are ***selected to be displayed depending on their relative importance and on said user position information***.

As disclosed in an exemplary embodiment at p. 7, ll. 1-7 of the specification, textual output can be reduced in size by re-phrasing a given content in more or less verbose forms. This involves the creation of text from a semantic representation kept by the system that reflects the meaning of the content to be conveyed to the user. The result of this reduction of verbosity can be compared to the techniques used by the print media, which uses titles, short abstracts, and full text to present a given content at different levels of detail.

Claims 26 and 27, which depend from independent Claims 15 and 20, respectively, further define this process and recite

if said user is in a first position said display information comprises ***a first set of semantic items***, and if said user is in a second position said display information comprises ***a second set of semantic items***, wherein said first position represents a closer position to said display than said second position, and wherein said ***second set is a subset of said first set determined by omitting at least one semantic item, said at least one semantic item being less important than the semantic items remaining in said second set***.

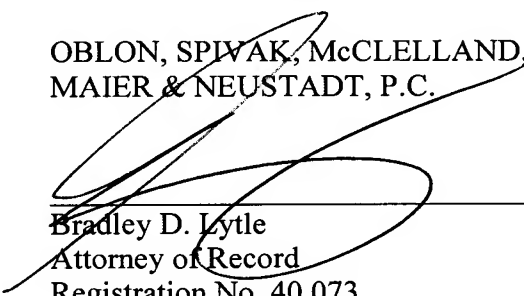
As noted above, Lee and Kuga, neither alone, nor in combination, teach or suggest modifying the amount of ***semantic items displayed*** based on a user's position, much less that

the items displayed are displayed based on a level of importance, as recited in dependent Claims 24, 26 and 27.

Consequently, in view of the present amendment and in light of the foregoing comments, it is respectfully submitted that the invention defined by Claims 15-27 is definite and patentably distinguishing over the applied references. The present application is therefore believed to be in condition for formal allowance and an early and favorable reconsideration of the application is therefore requested.

Respectfully submitted,

OBLON, SPIVAK, McCLELLAND,
MAIER & NEUSTADT, P.C.



Bradley D. Lytle
Attorney of Record
Registration No. 40,073

Customer Number
22850

Tel: (703) 413-3000
Fax: (703) 413 -2220
(OSMMN 06/04)

Andrew T. Harry
Registration No. 56,959

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